ELSEVIER

Journal of Non-Crystalline Solids 244 (1999) 281–283

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author Index

Aitken, B.G., see Turnbull, D.A. 244 (1999) 260
Armand, P., see Sabadel, J.-C. 244 (1999) 143
Astrakas, L. and G. Kordas, Time domain analysis of electron spin echo modulation envelopes in lithium silicate glasses 244 (1999) 205

Barancira, T., R. Moons, G.E.J. Koops, W. Deweerd, H. Pattyn, N. Tzenov, M. Tzolov, D. Dimova-Malinovska, T. Tsvetkova, R. Venegas and G.L. Zhang, Study of the ion implantation of ^{119}Sn in a-$Si_{1-x}C_x$:H 244 (1999) 189
Barkalov, O.I., see Calvo-Dahlborg, M. 244 (1999) 250
Belharouak, I., C. Parent, B. Tanguy, G. Le Flem and M. Couzi, Silver aggregates in photoluminescent phosphate glasses of the 'Ag_2O–ZnO–P_2O_5' system 244 (1999) 238
Berg, R.W., see Larsen, P.H. 244 (1999) 16
Bishop, S.G., see Turnbull, D.A. 244 (1999) 260
Burgner, L.L., see Wakasugi, T. 244 (1999) 63

Cachau-Herreillat, D., see Sabadel, J.-C. 244 (1999) 143
Calvo-Dahlborg, M., U. Dahlborg, O.I. Barkalov, A.I. Kolesnikov, E.G. Ponyatovsky and A.C. Hannon, Neutron scattering study of bulk amorphous GaSb 244 (1999) 250
Chin, T.S., see Shih, P.Y. 244 (1999) 211
Couzi, M., see Belharouak, I. 244 (1999) 238

Dahlborg, U., see Calvo-Dahlborg, M. 244 (1999) 250
Davis, M.J. and P.D. Ihinger, Influence of hydroxyl on glass transformation kinetics in lithium disilicate melt and a re-evaluation of structural relaxation in NBS 710 and 711 244 (1999) 1
Deweerd, W., see Barancira, T. 244 (1999) 189
Dimova-Malinovska, D., see Barancira, T. 244 (1999) 189

Farges, F., A Ti K-edge EXAFS study of the medium range environment around Ti in oxide glasses 244 (1999) 25
Fernández Barquín, L., see Forster, G.D. 244 (1999) 44
Fick, J., see Martucci, A. 244 (1999) 55
Flower, P.S., see Shaukat, S.F. 244 (1999) 197
Forster, G.D., L. Fernández Barquín, Q.A. Pankhurst and I.P. Parkin, Chemical reduction synthesis of fine particle FeZrB alloys under aerobic and anaerobic conditions 244 (1999) 44
Fujihara, S., C. Mochizuki and T. Kimura, Formation of LaF_3 microcrystals in sol–gel silica 244 (1999) 267
Fujiwara, S., see Qiu, J. 244 (1999) 185

Gilani, A.H., see Khattak, G.D. 244 (1999) 128
Gómez Ribelles, J.L., M. Monleón Pradas, J.M. Meseguer Dueñas and V.P. Privalko, Thermal characterization of the glass transition of heterocyclic polymer networks 244 (1999) 172
Grenville, A., see Liberman, V. 244 (1999) 159

Hannon, A.C., see Calvo-Dahlborg, M. 244 (1999) 250
Hirao, K., see Qiu, J. 244 (1999) 185
Hobson, P.R., see Shaukat, S.F. 244 (1999) 197
Hole, D.E., see Stepanov, A.L. 244 (1999) 275
Hosono, M., J. Kawamura, H. Itoigawa, N. Kuwata, T. Kamiyama and Y. Nakamura, Structure and ionic conductivity of rapidly quenched AgI–Ag_2WO_4 superionic conductor glasses 244 (1999) 81

Ihinger, P.D., see Davis, M.J. 244 (1999) 1
Innocenzi, P., see Martucci, A. 244 (1999) 55
Inoue, H., see Ishiwaki, T. 244 (1999) 151
Inouye, H., see Qiu, J. 244 (1999) 185
Ishiwaki, T., H. Inoue and A. Makishima, Optical properties of quinizarin doped SiO_2–TiO_2 gel 244 (1999) 151
Itoigawa, H., see Hosono, M. 244 (1999) 81

Kamiyama, T., see Hosono, M. 244 (1999) 81
Kawamura, J., see Hosono, M. 244 (1999) 81
Khattak, G.D., M.A. Salim, L.E. Wenger and A.H. Gilani, X-ray photoelectron spectroscopy (XPS) and

0022-3093/99/$ – see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0022-3093(99)0086-1

magnetization studies of iron–sodium borate glasses 244 (1999) 128
Kimura, T., see Fujihara, S. 244 (1999) 267
Kolesnikov, A.I., see Calvo-Dahlborg, M. 244 (1999) 250
Koops, G.E.J., see Barancira, T. 244 (1999) 189
Kordas, G., see Astrakas, L. 244 (1999) 205
Kuwata, N., see Hosono, M. 244 (1999) 81

Larsen, P.H., F.W. Poulsen and R.W. Berg, The influence of SiO_2 addition to $2MgO–Al_2O_3–3.3P_2O_5$ glass 244 (1999) 16
Le Flem, G., see Belharouak, I. 244 (1999) 238
Liberman, V., M. Rothschild, J.H.C. Sedlacek, R.S. Uttaro and A. Grenville, Excimer-laser-induced densification of fused silica: laser-fluence and material-grade effects on the scaling law 244 (1999) 159
Lippens, P.-E., see Sabadel, J.-C. 244 (1999) 143

Mackenzie, J.D., see Martucci, A. 244 (1999) 55
Maeda, K., see Momose, F. 244 (1999) 74
Makishima, A., see Ishiwaki, T. 244 (1999) 151
Martucci, A., P. Innocenzi, J. Fick and J.D. Mackenzie, Zirconia-ormosil films doped with PbS quantum dots 244 (1999) 55
Matsui, K., see Momose, F. 244 (1999) 74
McKinlay, K.J., see Shaukat, S.F. 244 (1999) 197
Meseguer Dueñas, J.M., see Gómez Ribelles, J.L. 244 (1999) 172
Mitsuyu, T., see Qiu, J. 244 (1999) 185
Miura, K., see Qiu, J. 244 (1999) 185
Mochizuki, C., see Fujihara, S. 244 (1999) 267
Momose, F., K. Maeda and K. Matsui, Codoping effect of Nd^{3+} on luminescence properties of tris(2,2′-bipyridine)ruthenium (II) in sol–gel systems of SiO_2 244 (1999) 74
Monleón Pradas, M., see Gómez Ribelles, J.L. 244 (1999) 172
Moons, R., see Barancira, T. 244 (1999) 189

Nakamura, Y., see Hosono, M. 244 (1999) 81

Pankhurst, Q.A., see Forster, G.D. 244 (1999) 44
Parent, C., see Belharouak, I. 244 (1999) 238
Parker, J.M., see Shaukat, S.F. 244 (1999) 197
Parkin, I.P., see Forster, G.D. 244 (1999) 44
Pattyn, H., see Barancira, T. 244 (1999) 189
Philippot, E., see Sabadel, J.-C. 244 (1999) 143
Ponyatovsky, E.G., see Calvo-Dahlborg, M. 244 (1999) 250
Poulsen, F.W., see Larsen, P.H. 244 (1999) 16
Privalko, V.P., see Gómez Ribelles, J.L. 244 (1999) 172

Qiu, J., K. Miura, H. Inouye, S. Fujiwara, T. Mitsuyu and K. Hirao, Blue emission induced in Eu^{2+}-doped glasses by an infrared femtosecond laser 244 (1999) 185

Roling, B., What do electrical conductivity and electrical modulus spectra tell us about the mechanisms of ion transport processes in melts, glasses, and crystals? 244 (1999) 34
Rothschild, M., see Liberman, V. 244 (1999) 159

Sabadel, J.-C., P. Armand, P.-E. Lippens, D. Cachau-Herreillat and E. Philippot, Mössbauer and XANES of $TeO_2–BaO–TiO_2$ glasses 244 (1999) 143
Sakaguchi, S. and S. Todoroki, Viscosity of silica core optical fiber 244 (1999) 232
Salim, M.A., see Khattak, G.D. 244 (1999) 128
Sedlacek, J.H.C., see Liberman, V. 244 (1999) 159
Shaukat, S.F., K.J. McKinlay, P.S. Flower, P.R. Hobson and J.M. Parker, Optical and physical characteristics of HBLAN fluoride glasses containing cerium 244 (1999) 197
Shih, P.Y., S.W. Yung and T.S. Chin, FTIR and XPS studies of $P_2O_5–Na_2O–CuO$ glasses 244 (1999) 211
Sidebottom, D.L., Ionic conductivity in glasses: is the window effect statistically relevant? 244 (1999) 223
Singh, K.J. and Y. Tsuchiya, Ultrasonic velocity measurements in liquid $Cd_x–Te_{1-x}$ alloys 244 (1999) 137
Stepanov, A.L., D.E. Hole and P.D. Townsend, Reflectance of the dielectric layers containing metal nanoparticles formed by ion implantation 244 (1999) 275

Tanguy, B., see Belharouak, I. 244 (1999) 238
Todoroki, S., see Sakaguchi, S. 244 (1999) 232
Townsend, P.D., see Stepanov, A.L. 244 (1999) 275
Tsuchiya, Y., see Singh, K.J. 244 (1999) 137
Tsvetkova, T., see Barancira, T. 244 (1999) 189
Turnbull, D.A., B.G. Aitken and S.G. Bishop, Broad-band excitation mechanism for photoluminescence in Er-doped $Ge_{25}Ga_{1.7}As_{8.3}S_{65}$ glasses 244 (1999) 260
Tzenov, N., see Barancira, T. 244 (1999) 189
Tzolov, M., see Barancira, T. 244 (1999) 189

Uttaro, R.S., see Liberman, V. 244 (1999) 159

Venegas, R., see Barancira, T. 244 (1999) 189

Wakasugi, T., L.L. Burgner and M.C. Weinberg, A DTA study of crystal nucleation in $Na_2O–SiO_2$ glasses 244 (1999) 63

Wefing, S., Modeling of continuous random networks: a case study for vitreous GeO_2. I. Model generation 244 (1999) 89
Wefing, S., Modeling of continuous random networks: a case study for vitreous GeO_2. II. Topological analysis and refinement 244 (1999) 112
Weinberg, M.C., see Wakasugi, T. 244 (1999) 63
Wenger, L.E., see Khattak, G.D. 244 (1999) 128
Yung, S.W., see Shih, P.Y. 244 (1999) 211
Zhang, G.L., see Barancira, T. 244 (1999) 189

ELSEVIER

Journal of Non-Crystalline Solids 244 (1999) 284–286

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject Index

Alkali Silicate Glasses
Electron Spin Resonance, Structure 244 (1999) 205

Amorphous Alloys
Mössbauer Effect, Metallic Glasses 244 (1999) 44

Amorphous Semiconductors
Ion Implantation, Mössbauer Effect, Rutherford Backscattering 244 (1999) 189

Annealing Effects
Fibers, Fictive Temperature, Viscosity 244 (1999) 232

Borates
Glasses Containing Transition Metal Ions, Magnetic Properties 244 (1999) 128

Chalcogenides
Thermal Properties 244 (1999) 137
Neutron Diffraction, Pressure Effects 244 (1999) 250

Chalcogenide Glasses
Luminescence, Rare Earth Ions 244 (1999) 260

Chemical Durability
Expansion, Phosphates 244 (1999) 16

Colloids
Luminescence, Phosphates, Raman Spectra 244 (1999) 238

Crystallization
Nucleation, Silicates, Thermal Properties 244 (1999) 63
Sol-Gel Processes 244 (1999) 267

Defects
Densification, Silica, Structure 244 (1999) 159

Densification
Defects, Silica, Structure 244 (1999) 159

Differential Scanning Calorimetry
Glass Transition, Structural Relaxation 244 (1999) 172

Electric Modulus
Electrical Properties, Ionic Conductivity 244 (1999) 34

Electrical Properties
Electric Modulus, Ionic Conductivity 244 (1999) 34

Electron Spin Resonance
Alkali Silicate Glasses, Structure 244 (1999) 205

Expansion
Chemical Durability, Phosphates 244 (1999) 16

Fibers
Annealing Effects, Fictive Temperature, Viscosity 244 (1999) 232

Fictive Temperature
Annealing Effects, Fibers, Viscosity 244 (1999) 232

Fluorescence Spectra
Fluoride Glasses, Rare Earth Ions 244 (1999) 197

Fluoride Glasses
Fluorescence Spectra, Rare Earth Ions 244 (1999) 197

Gels
Luminescence 244 (1999) 151

Germania
Modelling 244 (1999) 89
Modelling, Topology 244 (1999) 112

Glass Transition
Relaxation, Structural Relaxation, Water in Glass 244 (1999) 1
Differential Scanning Calorimetry, Structural Relaxation 244 (1999) 172

Glasses Containing Transition Metal Ions
Borates, Magnetic Properties 244 (1999) 128

Infra-red Absorption
Phosphates, Structure, XPS 244 (1999) 211

0022-3093/99/$ – see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0022-3093(99)00087-3

Ion Implantation
Amorphous Semiconductors, Mössbauer Effect, Rutherford Backscattering 244 (1999) 189
Nanocrystalline Materials, Optical Properties 244 (1999) 275

Ionic Conductivity
Electric Modulus, Electrical Properties 244 (1999) 34
Structure, Transport Properties - Solids, Tungstates 244 (1999) 81
Modelling 244 (1999) 223

Luminescence
Rare Earth Ions, Sol-Gel Processes 244 (1999) 74
Gels 244 (1999) 151
Oxides, Rare Earth Ions 244 (1999) 185
Colloids, Phosphates, Raman Spectra 244 (1999) 238
Chalcogenide Glasses, Rare Earth Ions 244 (1999) 260

Mössbauer Effect
Amorphous Alloys, Metallic Glasses 244 (1999) 44
Tellurite Glasses, XANES 244 (1999) 143
Amorphous Semiconductors, Ion Implantation, Rutherford Backscattering 244 (1999) 189

Magnetic Properties
Borates, Glasses Containing Transition Metal Ions 244 (1999) 128

Metallic Glasses
Amorphous Alloys, Mössbauer Effect 244 (1999) 44

Modelling
Germania 244 (1999) 89
Germania, Topology 244 (1999) 112
Ionic Conductivity 244 (1999) 223

Nanocrystalline Materials
Ion Implantation, Optical Properties 244 (1999) 275

Neutron Diffraction
Chalcogenides, Pressure Effects 244 (1999) 250

Nucleation
Crystallization, Silicates, Thermal Properties 244 (1999) 63

Optical Properties
Quantum Wells, Sol-Gel Method 244 (1999) 55
Ion Implantation, Nanocrystalline Materials 244 (1999) 275

Oxides
Luminescence, Rare Earth Ions 244 (1999) 185

Phosphates
Chemical Durability, Expansion 244 (1999) 16
Infra-red Absorption, Structure, XPS 244 (1999) 211
Colloids, Luminescence, Raman Spectra 244 (1999) 238

Pressure Effects
Chalcogenides, Neutron Diffraction 244 (1999) 250

Quantum Wells
Optical Properties, Sol-Gel Method 244 (1999) 55

Raman Spectra
Colloids, Luminescence, Phosphates 244 (1999) 238

Rare Earth Ions
Luminescence, Sol-Gel Processes 244 (1999) 74
Luminescence, Oxides 244 (1999) 185
Fluorescence Spectra, Fluoride Glasses 244 (1999) 197
Chalcogenide Glasses, Luminescence 244 (1999) 260

Relaxation
Glass Transition, Structural Relaxation, Water in Glass 244 (1999) 1

Rutherford Backscattering
Amorphous Semiconductors, Ion Implantation, Mössbauer Effect 244 (1999) 189

Silica
Defects, Densification, Structure 244 (1999) 159

Silicates
Crystallization, Nucleation, Thermal Properties 244 (1999) 63

Sol-Gel Method
Optical Properties, Quantum Wells 244 (1999) 55

Sol-Gel Processes
Luminescence, Rare Earth Ions 244 (1999) 74
Crystallization 244 (1999) 267

Structural Relaxation
Glass Transition, Relaxation, Water in Glass 244 (1999) 1
Differential Scanning Calorimetry, Glass Transition 244 (1999) 172

Structure
Titania, X-ray Absorption 244 (1999) 25
Ionic Conductivity, Transport Properties - Solids, Tungstates 244 (1999) 81
Defects, Densification, Silica 244 (1999) 159
Alkali Silicate Glasses, Electron Spin Resonance 244 (1999) 205
Infra-red Absorption, Phosphates, XPS 244 (1999) 211

Tellurite Glasses
Mössbauer Effect, XANES 244 (1999) 143

Thermal Properties
Crystallization, Nucleation, Silicates 244 (1999) 63
Chalcogenides 244 (1999) 137

Titania
Structure, X-ray Absorption 244 (1999) 25

Topology
Germania, Modelling 244 (1999) 112

Transport Properties - Solids
Ionic Conductivity, Structure, Tungstates 244 (1999) 81

Tungstates
Ionic Conductivity, Structure, Transport Properties - Solids 244 (1999) 81

Viscosity
Annealing Effects, Fibers, Fictive Temperature 244 (1999) 232

Water in Glass
Glass Transition, Relaxation, Structural Relaxation 244 (1999) 1

X-ray Absorption
Structure, Titania 244 (1999) 25

XANES
Mössbauer Effect, Tellurite Glasses 244 (1999) 143

XPS
Infra-red Absorption, Phosphates, Structure 244 (1999) 211